

Chronicle

compiled by

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Visiting scientists

Prof. Dr. C. ALVAREZ RAMIS (Universidad Complutense, Madrid, Spain) from 20 to 23 August visited the Laboratory. Fruitful scientific discussions were carried out on the Upper Cretaceous Palynology. Planning of further joint research programs were discussed.

International Laboratory activities

13 - 21 February, 2000, Lucknow, Uttar Pradesh, India.

Prof. Dr. M. KEDVES in the Birbal Sahni Institute of Palaeobotany finished the manuscript of a new paper (KEDVES, M., HORVÁTH, A., TRIPATHI, S.K.M. and MADHAV KUMAR: Symmetry operations on the quasi-crystalloid biopolymer system of the sporopollenin of *Phoenix sylvestris* LINN. from India), which appeared in this volume. On the 18th February at 4 p.m. a party was organized by the Institute to award Dr. S.K.M. TRIPATHI and MADHAV KUMAR. In his opening delivery Dr. A.K. SINHA, professor, Director of the Institute appreciated the results of the Hungarian Scientist in India, and the cooperation of the B.S. Institute with the C.B.E.M. Laboratory. He presented the new number of Plant Cell Biology and Development (Plate 1., fig. 1). Prof. Dr. M. KEDVES, Dr. S.K.M. TRIPATHI and Dr. MADHAV KUMAR emphasized the advantages of the scientific cooperation for both sides. After that the Commemorative Medal of the Laboratory was handed over to Dr. S.K.M. TRIPATHI (Plate 1., fig. 2), and the Diploma of the Laboratory to Dr. MADHAV KUMAR (Plate 1., fig. 3).

22 June - 1 July, 2000, Nanjing, China

The 10. International Palynological Congress was held in Nanjing.

Organizing Committee:

President: SONG ZHICHEN, DAVIS Owen, K. Vice President: GAO RUIQI, WANG KAIFA, SUN XIANGJUN, XING YUSHENG, TANG LINGYU. Secretary-General: LIU GENGWU. Vice Secretary-General: ZHAO CHUANBEN, YIN CHONGYU, ZHU HUAICHENG, WANG WEIMING. Secretariat Office: ZHU HUAICHENG, YANG WEIPING, LI JIANGUO. Treasurer: ZHU ZONGHAO, HUANG FEI. Scientific Programme: WANG WEIMING, OUYANG SHU, SUN XIANGJUN, YU GE. Field Trips: YIN CHONGYU, GAO LINZHI, WANG XINFU. On June 25, 2000 the invited lectures were presented in the Purple Ballroom. Chairpersons: Annick LE THOMAS and LIU GENGWU

09.00-09.40 CHEN JUNYUAN: The dawn of the animal diversity.

09.40-10.20 M. KEDVES: Trends and new aspects of the basic and applied palynology.

10.20-10.50 Coffee Break.

10.50-11.30 Owen DAVIS: Long terrestrial records of climate and vegetation change from Western North America.

On June 30, 2000 in the Cenozoic Palynology (Chairpersons: M. KEDVES and WANG WEIMING) the following papers were presented by M. KEDVES:



Plate 1.

M. KEDVES and M. MADARÁSZ: Transmission electron microscopy on partially degraded Paleocene pollen grains.

M. KEDVES, J. SASHALMI and D. TOMBÁ CZ: LM, SEM and TEM investigations on the biopolymer structure of *Botryococcus braunii* isolated from Hungarian oil shale.

From 11-15 October Prof. Dr. M. KEDVES visited the Department of Paleontology of the Universidad Complutense de Madrid. The further joint researches were discussed in detail. On October 13 he delivered the following paper: Les anomalies paléobotaniques trouvés dans les successions lithologiques de Patones".

Hungarian scientific activities

On the 19th January appeared the 11th number of Plant Cell Biology and Development, followed this by the 12th one on the 21th July.

The 1362th meeting of the Botanical Section of the Hungarian Biological Society was held on May 15 M. KEDVES delivered the following lecture: KEDVES M., MADARÁSZ, M., SASHALMI J. and TOMBÁ CZ, D.: Komplex (LM, TEM, SEM) vizsgálatok parciálisan degradált növényi mikrofossziliákon. Complex (LM, TEM, SEM) investigations on partially degraded plant microfossils.

Laboratory meetings and news

29.01.2000.

The state of the Laboratory publications, the program of the Laboratory meetings and the contributions in international research programs. Speaker: M. KEDVES.

Diapositive projections from India (Lucknow).

26.02.2000.

Report from the visit in the Birbal Sahni Institute of M. KEDVES. Other businesses, speaker: M. KEDVES. Diapositive projections from Japan, Yokohama.

25.03.2000.

The present day position of the Laboratory publications. Contributions of the students in the international scientific programs. Speaker: M. KEDVES. Diapositive projections: spores and pollen grains.

29.04.2000.

Report from the meeting on the 20th April about the Geonomical Committee of the Hungarian Academy of Sciences and the obligations of the Laboratory concerning this project. Speaker: M. KEDVES. Diapositive projections: spores and pollen grains, U.S.A, Sequoia woodland, California and Everglades, Florida-1.

27.05.2000.

Experimental studies on the teliospores of *Ustilago maydis*. Speaker: A. BORBOLA. Present day problems of the Laboratory, speaker: M. KEDVES. Diapositive projections: spores and pollen grains, U.S.A., Sequoia woodland, California and Everglades, Florida-2.

08.07.2000.

Report from the 10th International Palynological Congress, (Nanjing, China), speaker: M. KEDVES. The research programs of the Laboratory for the summer, the publications of the Laboratory. Other businesses.

21.08.2000.

At 4 hour p.m. an exclusive reception took place in the Laboratory. The 10th Anniversary of the Laboratory was appreciated. The Millennium Medal of the Laboratory

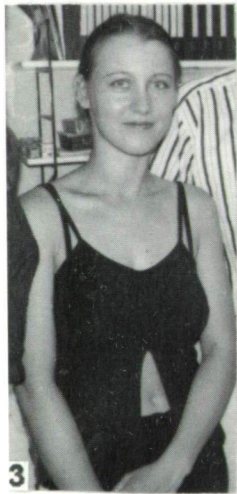


Plate 2.

was handed over to Prof. Dr. C. ALVAREZ RAMIS (Plate 2., figs. 1,4,5). Participation from the Laboratory: A. BORBOLA (Plate 2., figs. 3,5), , Prof. Dr. M. KEDVES (Plate 2., figs. 1,4,5), M. MADARÁSZ (Plate 2., figs. 4,5), K. PRISKIN (Plate 2., figs. 1,5), J. SASHALMI (Plate 2., fig. 5), V. SIPOS (Plate 2., fig.4), A. SZÉCSÉNYI (Plate 2., fig. 5), D. TOMBÁČZ (Plate 2., fig. 2).

26.08.2000.

The research programs of the Laboratory until the end of this year.

01.09.2000.

The following middle-school students started the work in the Laboratory: J. BANGÓ, B. GÉGENY, E. HAJNAL, ZS. IMRE, I. JÓJÁRT, T. KRIZSÁN, P. LUKÁCS, G. SCHULZ and T. SZÉL. M. MADARÁSZ would like to continue her university studies, so she left the Laboratory as an assistant, however she is included in the OTKA research program and she continues her scientific work in the Laboratory. Miss K. FREY started working as an assistant in the Laboratory.

23.09.2000.

The present day state of the research programs of the Laboratory, speaker: M. KEDVES. Diapositive projections from spores and pollen grains.

21.10.2000.

Report from the visit in the Paleontological Institute of the "Universidad Complutense" in Madrid, speaker: M. KEDVES. A. Borbola presented the program of her diploma work.

Diapositive projections.

25.11.2000.

Discussion of the papers for publication in the 14th number of Plant Cell Biology and Development, speaker M. KEDVES. Diapositive projections.

16.12.2000.

The scientific programs and the international obligations of the Laboratory during the first half of 2001, speaker: M. KEDVES. Other businesses. Diapositive projections.

Teaching program of the Laboratory

In the year of 2000 the following lectures were delivered:

1. Introduction to the prequaternary Palynology-1 Ph.D. course, 1 + 2
2. Applied Palynology, 1 + 2
3. Biopolymer organization and symmetry, 1 + 0
4. Theory of Evolution and Natural Philosophy, 1 + 0
5. Basic Palynology, 1 + 2
6. Theory of the Supernova, 1 + 0

Plate 1.

1. - Prof. Dr. A.K. SINHA, Director of the Birbal Sahni Institute present the 11th number of Plant Cell Biology and Development at the party of the Institute on the 18 February 2000. 2.- Dr. S.K.M. TRIPATHI with the Commemoratrive Medal of the Laboratory.

3.- Prof. Dr. M. KEDVES (left) hands over the Laboratory Diploma to Dr. Madhav Kumar (right). In the middle: Prof. Dr. A.K. SINHA, Director of the Birbal Sahni Institute of Palaeobotany.

Plate 2.

1. - Prof. Dr. C. ALVAREZ RAMIS takes over the Millennium Medal and the Declaration of the Laboratory. Right K. PRISKIN middle-school student. 2. - D. TOMBÁ CZ middle-school student. 3. - A. BORBOLA university student. 4. - The group of the participant of the reception in the office of Prof. Dr. M. KEDVES. From left to right: V. SIPOS, Prof. Dr. C. ALVAREZ RAMIS, M. MADARÁ SZ, and Prof. Dr. M. KEDVES. 5. - The group of participants of the reception in the Laboratory. From left to right: K. PRISKIN, A. BORBOLA, M. KEDVES, C. ALVAREZ RAMIS, J. SASHALMI, A. SZÉCSÉ NYI, M. MADARÁ SZ.

The pictures were taken by Dr. É. SIPOS-KEDVES.